

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/534,742 A  
Source: P45  
Date Processed by STIC: 3/20/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/534,742A</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line <b>not exceed 72 characters</b> in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. <b>Do not use tab codes between numbers;</b> use <b>space characters</b> , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was <b>not saved in ASCII(DOS) text</b> , as <b>required</b> by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>44</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can <b>only</b> represent a single <u>nucleotide</u> ; "Xaa" can <b>only</b> represent a single <u>amino acid</u>	



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,742A

DATE: 03/20/2006

TIME: 12:27:37

Input Set : A:\10534742.txt

Output Set: N:\CRF4\03202006\J534742A.raw

3 <110> APPLICANT: Corrado FOGHER  
 5 <120> TITLE OF INVENTION: Food flours with specific technological characteristics and  
 low

6        allergenicity  
 8 <130> FILE REFERENCE: 4161-12 / BX1898R  
 10 <140> CURRENT APPLICATION NUMBER: US 10/534,742A  
 11 <141> CURRENT FILING DATE: 2005-05-12  
 13 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/005092  
 14 <151> PRIOR FILING DATE: 2003-11-12  
 16 <150> PRIOR APPLICATION NUMBER: IT BO2002A000714  
 17 <151> PRIOR FILING DATE: 2002-11-13  
 19 <160> NUMBER OF SEQ ID NOS: 44  
 21 <170> SOFTWARE: MS Word  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 830  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Wheat  
 28 <400> SEQUENCE: 1

Does Not Comply  
 Corrected Diskette Needed

6-7  
 Jn

30 Met Thr Lys Arg Leu Val Leu Phe Ala Ala Val Val Ala Leu Val  
 31 1                    5                    10                    15  
 33 Ala Leu Thr Ala Ala Glu Gly Glu Ala Ser Gly Gln Leu Gln Cys Glu  
 34                    20                    25                    30  
 36 Arg Glu Leu Gln Glu His Ser Leu Lys Ala Cys Arg Gln Val Val Asp  
 37                    35                    40                    45  
 39 Gln Gln Leu Arg Asp Val Ser Pro Glu Cys Gln Pro Val Gly Gly  
 40                    50                    55                    60  
 42 Pro Val Ala Arg Gln Tyr Glu Gln Gln Val Val Val Pro Pro Lys Gly  
 43 65                    70                    75                    80  
 45 Gly Ser Phe Tyr Pro Gly Glu Thr Thr Pro Pro Gln Gln Leu Gln Gln  
 46                    85                    90                    95  
 48 Ser Ile Leu Trp Gly Ile Pro Ala Leu Leu Arg Arg Tyr Tyr Leu Ser  
 49                    100                    105                    110  
 51 Val Thr Ser Pro Gln Gln Val Ser Tyr Tyr Pro Gly Gln Ala Ser Ser  
 52                    115                    120                    125  
 54 Gln Arg Pro Gly Gln Gly Gln Gln Pro Gly Gln Gly Gln Gln Glu Tyr  
 55                    130                    135                    140  
 57 Tyr Leu Thr Ser Pro Gln Gln Ser Gly Gln Trp Gln Gln Pro Gly Gln  
 58 145                    150                    155                    160  
 60 Gly Gln Ala Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ser Gly Gln Glu  
 61                    165                    170                    175  
 63 Gln Pro Gly Tyr Tyr Pro Thr Ser Pro Trp Gln Pro Glu Gln Leu Gln  
 64                    180                    185                    190  
 66 Gln Pro Thr Gln Gly Gln Gln Arg Gln Gln Pro Gly Gln Gly Gln Gln  
 67                    195                    200                    205

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PATENT APPLICATION: US/10/534,742A

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Input Set : A:\10534742.txt  
Output Set: N:\CRF4\03202006\J534742A.raw

69 Leu Arg Gln Gly Gln Gln Gly Gln Gln Ser Gly Gln Gly Gln Pro Arg  
70 210 215 220  
72 Tyr Tyr Pro Thr Ser Ser Gln Gln Pro Gly Gln Leu Gln Gln Leu Ala  
73 225 230 235 240  
75 Gln Gly Gln Gln Gly Gln Gln Pro Glu Arg Gly Gln Gln Gly Gln Gln  
76 245 250 255  
78 Ser Gly Gln Gly Gln Gln Leu Gly Gln Gly Gln Gln Gly Gln Gln Pro  
79 260 265 270  
81 Gly Gln Lys Gln Gln Ser Gly Gln Gly Gln Gly Tyr Tyr Pro Ile  
82 275 280 285  
84 Ser Pro Gln Gln Leu Gly Gln Gly Gln Ser Gly Gln Gly Gln Leu  
85 290 295 300  
87 Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ser Gly Gln Gly Gln Ser Gly  
88 305 310 315 320  
90 Tyr Tyr Pro Thr Ser Ala Gln Gln Pro Gly Gln Leu Gln Gln Ser Thr  
91 325 330 335  
93 Gln Glu Gln Gln Leu Gly Gln Glu Gln Gln Asp Gln Gln Ser Gly Gln  
94 340 345 350  
96 Gly Arg Gln Gly Gln Gln Ser Gly Gln Arg Gln Gln Asp Gln Gln Ser  
97 355 360 365  
99 Gly Gln Gly Gln Gln Pro Gly Gln Arg Gln Pro Gly Tyr Tyr Ser Thr  
100 370 375 380  
102 Ser Pro Gln Gln Leu Gly Gln Gly Gln Pro Arg Tyr Tyr Pro Thr Ser  
103 385 390 395 400  
105 Pro Gln Gln Pro Gly Gln Glu Gln Gln Pro Arg Gln Leu Gln Gln Pro  
106 405 410 415  
108 Glu Gln Gly Gln Gln Gly Gln Gln Pro Glu Gln Gly Gln Gln Gly Gln  
109 420 425 430  
111 Gln Pro Gly Gln Gly Glu Gln Gly Gln Gln Pro Gly Gln Gly Gln Gln  
112 435 440 445  
114 Gly Gln Gln Pro Gly Gln Gly Gln Pro Gly Tyr Tyr Pro Thr Ser Pro  
115 450 455 460  
117 Gln Gln Ser Gly Gln Gly Gln Pro Gly Tyr Tyr Pro Thr Ser Pro Gln  
118 465 470 475 480  
120 Gln Ser Gly Gln Leu Gln Gln Pro Ala Gln Gly Gln Gln Pro Gly Gln  
121 485 490 495  
123 Glu Gln Gly Gln Gln Pro Gly Gln Gly Gln Gln Gly Gln Gln Pro  
124 500 505 510  
126 Gly Gln Gln Gln Pro Gly Gln Gly Gln Pro Gly Tyr Tyr Pro Thr  
127 515 520 525  
129 Ser Pro Gln Gln Ser Gly Gln Glu Gln Gln Leu Glu Gln Trp Gln Gln  
130 530 535 540  
132 Ser Gly Gln Gly Gln Pro Gly His Tyr Pro Thr Ser Pro Leu Gln Pro  
133 545 550 555 560  
135 Gly Gln Gln Gln Pro Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ile Gly  
136 565 570 575  
138 Gln Gln Gln Pro Gly Gln Leu Gln Gln Pro Thr Gln Gly Gln Gln  
139 580 585 590  
141 Gly Gln Gln Pro Gly Gln Gly Gln Gln Pro Gly Gln Gln Gly

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PATENT APPLICATION: US/10/534,742A

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Input Set : A:\10534742.txt  
Output Set: N:\CRF4\03202006\J534742A.raw

142 595 600 605  
144 Gln Gln Gln Gln Gln Pro Gly Gln Gly Gln Gln Pro Gly Gln Gly Gln  
145 610 615 620  
147 Pro Gly Tyr Tyr Pro Thr Ser Leu Gln Gln Ser Gly Gln Gly Gln Gln  
148 625 630 635 640  
150 Pro Gly Gln Trp Gln Gln Pro Gly Gln Gly Leu Pro Gly Tyr Tyr Pro  
151 645 650 655  
153 Thr Ser Ser Leu Gln Pro Glu Gln Gly Gln Gln Gly Tyr Tyr Pro Thr  
154 660 665 670  
156 Ser Gln Gln Gln Pro Gly Gln Gly Pro Gln Pro Gly Gln Trp Gln Gln  
157 675 680 685  
159 Ser Gly Gln Gly Gln Gln Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ser  
160 690 695 700  
162 Gly Gln Gly Gln Gln Pro Gly Gln Trp Leu Gln Pro Gly Gln Trp Leu  
163 705 710 715 720  
165 Gln Ser Gly Tyr Tyr Leu Thr Ser Pro Gln Gln Leu Gly Gln Gly Gln  
166 725 730 735  
168 Gln Pro Arg Gln Trp Leu Gln Pro Arg Gln Gly Gln Gln Gly Tyr Tyr  
169 740 745 750  
171 Pro Thr Ser Pro Gln Gln Ser Gly Gln Gly Gln Gln Leu Gly Gln Gly  
172 755 760 765  
174 Gln Gln Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ser Gly Gln Gly Gln  
175 770 775 780  
177 Gln Gly Tyr Asp Ser Pro Tyr His Val Ser Ala Glu His Gln Ala Ala  
178 785 790 795 800  
180 Ser Leu Lys Val Ala Lys Ala Gln Gln Leu Ala Ala Gln Leu Pro Ala  
181 805 810 815  
183 Met Cys Arg Leu Glu Gly Gly Asp Ala Leu Leu Ala Ser Gln  
184 820 825 830  
187 <210> SEQ ID NO: 2  
188 <211> LENGTH: 815  
189 <212> TYPE: PRT  
190 <213> ORGANISM: Wheat  
192 <400> SEQUENCE: 2  
194 Met Thr Lys Arg Leu Val Leu Phe Ala Ala Val Val Val Ala Leu Val  
195 1 5 10 15  
197 Ala Leu Thr Ala Ala Glu Gly Glu Ala Ser Gly Gln Leu Gln Cys Glu  
198 20 25 30  
200 Arg Glu Leu Gln Glu His Ser Leu Lys Ala Cys Arg Gln Val Val Asp  
201 35 40 45  
203 Gln Gln Leu Arg Asp Val Ser Pro Glu Cys Gln Pro Val Gly Gly  
204 50 55 60  
206 Pro Val Ala Arg Gln Tyr Glu Gln Gln Val Val Val Pro Pro Lys Gly  
207 65 70 75 80  
209 Gly Ser Phe Tyr Pro Gly Glu Thr Thr Pro Pro Gln Gln Leu Gln Gln  
210 85 90 95  
212 Ser Ile Leu Trp Gly Ile Pro Ala Leu Leu Arg Arg Tyr Tyr Leu Ser  
213 100 105 110  
215 Val Thr Ser Pro Gln Gln Val Ser Tyr Tyr Pro Gly Gln Ala Ser Ser

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Output Set: N:\CRF4\03202006\J534742A.raw

216	115	120	125
218	Gln Arg Pro Gly Gln Gly Gln Gln Glu Tyr Tyr Leu Thr Ser Pro Gln		
219	130	135	140
221	Gln Ser Gly Gln Trp Gln Gln Pro Gly Gln Gly Gln Ser Gly Tyr Tyr		
222	145	150	155
224	160	165	170
225	175	180	185
227	190	195	200
228	205	210	215
230	220	225	230
231	235	240	245
233	250	255	260
234	265	270	275
236	280	285	290
237	295	300	305
239	310	315	320
240	325	330	335
242	340	345	350
243	355	360	365
245	370	375	380
246	385	390	395
248	400	405	410
249	415	420	425
251	430	435	440
252	445	450	455
254	460	465	470
255	475	480	485
257	490	495	500
258	505	510	
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PATENT APPLICATION: US/10/534,742A

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Input Set : A:\10534742.txt  
Output Set: N:\CRF4\03202006\J534742A.raw

290 Thr Ser Pro Gln Gln Ser Gly Gln Glu Gln Gln Leu Glu Gln Trp Gln  
291 515 520 525  
293 Gln Ser Gly Gln Gln Pro Gly His Tyr Pro Thr Ser Pro Leu Gln  
294 530 535 540  
296 Pro Gly Gln Gly Gln Pro Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ile  
297 545 550 555 560  
299 Gly Gln Gly Gln Gln Pro Gly Gln Leu Gln Gln Pro Thr Gln Gly Gln  
300 565 570 575  
302 Gln Gly Gln Gln Pro Gly Gln Gly Gln Gln Gln Pro Gly Glu  
303 580 585 590  
305 Gly Gln Gln Gly Gln Gln Pro Gly Gln Gly Gln Gln Pro Gly Gln Gly  
306 595 600 605  
308 Gln Pro Gly Tyr Tyr Pro Thr Ser Leu Gln Gln Ser Gly Gln Gly Gln  
309 610 615 620  
311 Gln Pro Gly Gln Trp Gln Gln Pro Gly Gln Gly Gln Pro Gly Tyr Tyr  
312 625 630 635 640  
314 Pro Thr Ser Ser Leu Gln Pro Glu Gln Gly Gln Gln Gly Tyr Tyr Pro  
315 645 650 655  
317 Thr Ser Gln Gln Gln Pro Gly Gln Gly Pro Gln Pro Gly Gln Trp Gln  
318 660 665 670  
320 Gln Ser Gly Gln Gln Gln Gly Tyr Tyr Pro Thr Ser Pro Gln Gln  
321 675 680 685  
323 Ser Gly Gln Gly Gln Gln Pro Gly Gln Trp Leu Gln Pro Gly Gln Trp  
324 690 695 700  
326 Leu Gln Ser Gly Tyr Tyr Leu Thr Ser Pro Gln Gln Leu Gly Gln Gly  
327 705 710 715 720  
329 Gln Gln Pro Arg Gln Trp Leu Gln Pro Arg Gln Gly Gln Gln Gly Tyr  
330 725 730 735  
332 Tyr Pro Thr Ser Pro Gln Gln Ser Gly Gln Gly Gln Gln Leu Gly Gln  
333 740 745 750  
335 Gly Gln Gln Gly Tyr Tyr Pro Thr Ser Pro Gln Gln Ser Gly Gln Gly  
336 755 760 765  
338 Gln Gln Gly Tyr Asp Ser Pro Tyr His Val Ser Ala Glu His Gln Ala  
339 770 775 780  
341 Ala Ser Leu Lys Val Ala Lys Ala Gln Gln Leu Ala Ala Gln Leu Pro  
342 785 790 795 800  
344 Ala Met Cys Arg Leu Glu Gly Gly Asp Ala Leu Leu Ala Ser Gln  
345 805 810 815  
347 <210> SEQ ID NO: 3  
348 <211> LENGTH: 839  
349 <212> TYPE: PRT  
350 <213> ORGANISM: Wheat  
352 <400> SEQUENCE: 3  
354 Met Ala Lys Arg Leu Val Leu Phe Val Ala Val Val Val Ala Leu Val  
355 1 5 10 15  
357 Ala Leu Thr Val Ala Glu Gly Glu Ala Ser Glu Gln Leu Gln Cys Glu  
358 20 25 30  
360 Arg Glu Leu Gln Glu Leu Gln Glu Arg Glu Leu Lys Ala Cys Gln Gln  
361 35 40 45

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6

<210> 44  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Gln at position 4 may be mutated

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Xaa can be any naturally occurring amino acid

<400> 44

Gln Xaa Pro Gln Gln Pro Gln Gln Phe  
1 5

needs explanation in 12207-12237  
section

(see item 11 on Euc summary  
sheet)

9  
RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/534,742A

DATE: 03/20/2006  
TIME: 12:27:38

Input Set : A:\10534742.txt  
Output Set: N:\CRF4\03202006\J534742A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/534,742A

DATE: 03/20/2006

TIME: 12:27:38

Input Set : A:\10534742.txt

Output Set: N:\CRF4\03202006\J534742A.raw

L:2114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0